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## INDEX OF CLAIMS

| ~ | Rejected                   |   | N  | Non-elected  |
|---|----------------------------|---|----|--------------|
|   | Allowed                    |   | -1 | Interference |
| _ | (Through numeral) Canceled |   | Α  | Appeal       |
| ÷ | Restricted                 | - | 0  | Objected     |

|    |               |                |              |              |   |        |               |          | •        | ÷       | •   | •••   | •••    |    | •••••    | ••••• |          | 1        | Res      | tric                                   | ted          | •              |          |  | 0  |                    | •••••        | ••• |
|----|---------------|----------------|--------------|--------------|---|--------|---------------|----------|----------|---------|-----|-------|--------|----|----------|-------|----------|----------|----------|--|--------------|----------------|----------|--|--|--------------------|--------------|-----|
|    | C             | lain           | ī            |              |   |        |               | D        | ate      | ,       |     | _     | -      | _  |          | ٦     | Г        | laim     | Т        | _                                      |              |                | D        | ate  | _  | _                  | _            | -   |
|    | Final         | laulo          |              | W(5/m        | 10/51/  | 18/1   | 180661        | 17       | <u>U</u> | 12/05/2 | 7   | 20100 | 10/105 |    |          | 1     | lacia    | <u>_</u> | ┰        | T                                      |              | T              | Ť        | Ī  |  | T                  | T            | 7   |
|    | ۳             | X              |              |              | <u< td=""><td>7</td><td>7</td><td>Į.</td><td></td><td>5</td><td>777</td><td></td><td>00</td><td>-</td><td>╁</td><td>-</td><td>ļ</td><td>51</td><td></td><td>+</td><td>╀</td><td>+</td><td>+</td><td>+</td><td>+-</td><td>╀</td><td>+</td><td></td></u<> | 7      | 7             | Į.       |          | 5       | 777 |       | 00     | -  | ╁        | -     | ļ        | 51       |          | +                                      | ╀            | +              | +        | +  | +-   | ╀                  | +            |     |
|    |               | $\Pi$          | 2 ,          | Z            | v   | 7      | 7             | T,       | 1        | 1       |     | Π     | ī      | 1  | Ť        | 7     | F        | 52       | 2        | T                                      | †            | T              | T        | ╁  | +  | ╅                  | 十            | t   |
|    | Γ             | $\Box$         | 3            | V            | V   | J      | V             | П        | П        | П       | П   | П     | Ť      | Τ  | 1        | 7     | $\vdash$ | 53       | 3        | T                                      | 1            | T              | Ť        | +  | †-   | $^{+}$             | +            | t   |
|    |               |                | Ð.           | 1            | $\mathcal{J}$   | Ĵ      | 7             | П        |          | L       | П   | П     | Ī      | T  | $\top$   | ]     |          | 54       | 1        | $\top$                                 | +            | +              | Ť        | 1  | 十  | †-                 | 十            | t   |
|    | L             |                |              | 7            | Z   | J      | V             | П        | $\prod$  |         |     | П     | T      | T  | Ι        | ]     |          | 55       | 3        | 1                                      | Т            | T              |          | 7  |  | $\top$             | $\top$       | 1   |
| i  | L             | Q              | Œ,           | 4            | ⊿   | 1      | 4             | П        | $\perp$  |         |     |       | Ι      |    | Γ        | ]     |          | 56       | 3        |  |              |                | T        | Τ  | Τ  | $\top$             | T            | 1   |
|    | L.            | И              |              | 4            | Д   | J      | V             | Ц        | 1        | Ц       |     | Ц     | 1      |    |          |       |          | 57       | <u>'</u> |  |              |                | Ι        | T  |  | T                  | Т            | T   |
|    | _             | Q              | _            | 4            | Д   | 1      | ¥             | Ц        | 1        | Ц       | Ц   | Ц     | L      | L  | ┸        | _     | L        | 58       | <u> </u> | L                                      |              |                |          |  |  | oxdot              | T            | Ī   |
|    | _             |                | λ,           | Дь           | 4   | 1      | ν,            | Щ        | 4        | Щ       | Ц   | 4     | L      | L  | 1        | _     | $\perp$  | 59       | -        | ــــــــــــــــــــــــــــــــــــــ |              |                | L        | L  |  |                    | $\Box$       | I   |
| V  |               |                | <u>Ų</u> .   | 4            | Д   | 1      | Y             | Щ        | 4        | 41      | 4   | 4     | L      | L  | 1        | 4     | $\vdash$ | 60       |          | 퇶                                      | ╀            | L              | L        | $\perp$  | ↓_   | $oldsymbol{\perp}$ |              | I   |
| ,  | -             | N              |              | 4            | 4   | 4      | 4             | H        | 4        | Н       | 4   | 4     | L      |    | 4        | -     | _        | 61       |          | ┺                                      | 4            | ┺              | ┺        | $\perp$  | ↓_   | _                  | ↓_           | ļ   |
|    | -             |                |              | بلر⁄         | 4   | 4      | V             | H        | +        | ₩       | +   | 4     | L      |    | ┦        | 4     | $\vdash$ | 62       | _        | ╄                                      | 4_           | ╄              | 1        | ╀  | ļ  | Ţ.                 | 1            | 1   |
| ,  |               | 13             | V            | 4            | 4   | 4      | ¥             | H        | +        | #       | 4   | 4     | _      | Ë  |          | 4     | $\vdash$ | 63       | +-       | ╄-                                     | ↓_           | ╄              | 1        | ╀  | 4_   | 丰                  | 4_           | 1   |
| ŀ  | _             | 1,7            | V            | 4            | 4   | 4      | ¥,            | H        | +        | Н       | +   | 4     | L      | L  | +-       | 4     | $\vdash$ | 64       | -        | ╄                                      | ┼            | ╄              | ╄        | ٠,   | ١  | . ا<br>م           | .I           | ı   |
| ŀ  | _             | 1              | Įν           | ₩            | 4   | ₩      | ✓,            | ╫        | +        | Н       | +   | +     | ┡      | ├- | ╄        | -     | $\vdash$ | 65       | _        | ┼                                      | ╄            | ↓              | Ļ,       |  |  | +                  | +            | į.  |
| ł  | •             | N              | 7"           | ₩            | 4   | ₩      | Y             | +        | +        | Н       | 4   | +     | ╀      | ⊢  | ╁        | -     | $\vdash$ | 66       | ₩        | ╂                                      | ╀            | ╄              | ╀        | $\perp$  | 1  | ┴                  | <del> </del> | ļ   |
| ŀ  | <del>:</del>  | 1              | 14           | #            | 7   | 7      | ¥             | Н        | 悬        | ∦       | 4   | +     | ╀      | L  | ╀        | 4     | -        | 67       | 1-       | ╀                                      | ╀            | ╄              | ╀.       | ╄  | ╄  | ╀                  | μ.           | ļ   |
| ŀ  | 1             | (19            | Υ.           |              | 뷝   | ~4     | 심             | لاب      | 4        | -       | 1   | 1     | ÷      | ⊢  | ┼-       | -     | Ŀ        | 68       | -        | ╄                                      | ╂            | ⊢              | ╄        | ╄  | ┼  | ╄                  | ╄            | ļ   |
| ŀ  | 4             | 50             |              | #            |   | 闩      | $\overline{}$ | 12/      | $^{+}$   | =       | -   | +     | Υ,     | ⊢  | ╀╌       | -     | $\vdash$ | 69       | ╌        | ╄                                      | ╄-           | ⊢              | ├-       | ╄  | ┼  | ╄                  | ↓_           | ļ   |
| ŧ  | _             |                |              | 4            | 쒸   | 7      | ď             | //       | +        | 킺       | \$  | 1     | V.     | L  | ┼-       | 4     | -        | 70       | ļ.       | <del> </del>                           | ↓_           | _              | L        | $\perp$  | ļ  | 上                  | _            | L   |
| ŀ  |               | a              | +            | ╀            | 4   | ╫      | 겍             | 7        | 12       | 4       | -   | +     | =      | H  | +-       | 4     | -        | 71       | _        | ١                                      | <u> </u>     | ┡-             | ┡        | ╄  | ↓_   | ╄-                 | ļĿ           | Ļ   |
| ŀ  | 7             | 2              | +            | ╫            | 4   | ₩      | 4             | +        | +        | 3       | ╢   | +     | Н      | ⊢  | +-       | 1     | $\vdash$ | 72<br>73 | ┞-       | ļ                                      | ╀            | <del> </del>   | ┞        | +-   | ╄  | ـ                  | ┡            | ļ   |
| ŀ  |               | 1              | 1            | +            | 4   | 4      | 묏             | +        | +-       | =       | ╢   | #     | Н      | _  | ┼-       | ┨     | $\vdash$ | 74       | ┝        | -                                      | ┼            | -              | L        | $\vdash$   | ┼-   | 丨                  | <b>-</b>     | Ļ   |
| ŀ  |               | 1              | ╁            | 1            | 4   | ₩      | 싞             | +        | +        | 7       | 4   | ╀     | Н      | -  | ╁        | 1     | $\vdash$ | 75       | $\vdash$ | <u> </u>                               | ⊢            | ١              | ⊬        | ╁  | ├_   | ـ                  | ⊢            | Ļ   |
| +  | 7             | 5              | -            | 1            |   | ĭ      | Y             | ∜        | Ŧ.       | }       | 1   | +     | H      |    | ╆        | -     | $\vdash$ | 76       | ┝        | ╁                                      | ⊢            | <del> </del> — | L        | ┼  | ⊢  | ╀                  | ⊢            | L   |
| +  | 2             | 2 2            | 1            | +            | +   | 7      | Y             | <u>~</u> | +;       | 7       | 3   | +     | 7      | _  | ╁        | 1     | H        | 77       | ⊢        | ├                                      | ⊬            | ├-             | -        | ╄  | <del> </del>                                     | ├-                 | ╀            | L   |
| ŀ  | $\frac{1}{4}$ | 28             | +            | ╁            | +   | ┪      | $\dashv$      | <u> </u> | ╀        | +       | ╗   | ľ     | Η      |    | ╁        | ł     | ⊢        | 78       | ┝        | ├-                                     | ├            | -              | ⊢        | ╀  | ⊢  | ⊦                  | ⊬            | ļ.  |
| ŀ  | 45            | 29             | ┢            | +            | +   | ┪      | ┪             | _        | ╁        | ╫       | ╢   | Н     | Н      | _  | ╁        | ┨     | $\vdash$ | 79       |          | ⊢                                      | ╁┈           | ┢              | ├-       | -  | -  | ⊢                  | -            | L   |
| ŀ  | ř             | 86             | ┰            | ╁            | +   | +      | -+            | _        | ╁        | ₩       | +   | Н     | Н      | _  | ╌        | ł     | ⊢        | 70       | ⊢        | -                                      | ┝            | -              | ⊢        |  | ╀  | ⊢                  | ├            | ŀ   |
| t  | 7             | 28<br>30<br>31 | ٦            | ╁            | +   | +      | -             | _        | +        | #       | \$  | t     | /      |    | ┼        | 1     | ┢        | 81       | ⊢        | ┢                                      | ┢            | -              | ┝        | ┢  | ├  | ⊢                  | -            | ŀ   |
| t  | ~1            | <b>X</b>       |              | $^{\dagger}$ | +   | 1      | 7             |          | t        | H.      | ∃   | 1.    |        | _  | ╁┈       | i     | $\vdash$ | 82       | -        | ┢                                      | ⊢            | -              | H        | +-   | ┼─   | ┢                  | ├            | H   |
| t  | Q             | 33             | ]_           | t            | $\dagger$   | ヿ      | _             | _        | t        | H.      | ⇉   | 1     | 7      |    | ┪        | 1     | $\vdash$ | 83       | H        | ╁                                      | ╁            | -              | $\vdash$ | ┼-   | ╁  | ├─                 | ⊢            | H   |
| ľ  | 8             | 33             | 1            | T            | +   | T      | T             |          | П        | H       | -+  | 1     | +      | _  | ┢        | 1     | ┢        | 84       | -        | $\vdash$                               | ┢            | $\vdash$       | -        | $\vdash$   | ╁╴   | ⊢                  |              | ŀ   |
|    | 10            | 35             |              | †            | †   | T      | 7             | _        | H        | Ť       | Ħ   | Ħ     | 7      |    | ऻ        | 1     | $\vdash$ | 85       | -        | $\vdash$                               | <del> </del> | $\vdash$       | -        | -  | <del>                                     </del> | ┢                  | ┢            | H   |
| Γ  | 111           | 36             | <del>)</del> | Τ            | T   | T      |               | _        | П        | Т       | 11  | Ħ     |        |    | T        | ĺ     |          | 86       |          | $\vdash$                               | ┪            | _              |          | <u> </u>   | H  | <del> </del>       | $\vdash$     | ۲   |
| Γ  | 12            | 37             |              |              | Ţ   | _      | _†            |          | П        | 1       | #   | K     | 71     | _  | 1        | 1     | Г        | 87       |          |  | m            | _              |          | t  | t  | ┢                  | Н            | -   |
| _  | • 9           | 36             |              | Т            | Т   | $\top$ | $\exists$     | _        | Π        | 1.      | J   | -     | 7      |    | 1        | 1     | T        | 88       |          | _                                      | ┢            |                | m        | T  | $\vdash$   | $\vdash$           | H            | -   |
| 5  | Δ             | 39             |              | Ι            | Τ   |        |               | _        | Π        | 1       |     | Ţ     | 71     |    | Г        | İ     |          | 89       |          | 1                                      |              |                |          | ┪  |  | ┢                  | Н            | _   |
| li |               | 40             | Г            | Γ            | Τ   | Т      |               |          | Π        | Т       | í   | ī     |        |    |          |       |          | 90       |          | $\vdash$                               |              |                | _        |  | ┢  |                    |              | _   |
| I  | 61            | 41             | 5            | Τ            | T   | T      | 1             |          | Π        | Ţ       | Ħ   | Ħ     | Ħ      | ,  | Т        | 1     | Т        | 91       |          | $\vdash$                               | Т            | -              | $\vdash$ |  | ✝  | Н                  | Н            | _   |
| Ī  | 1             | 42             |              | 1            | Ť   | 7      | 十             | _        | Ħ        | /:      | 4   | ľ     | И      |    | $\vdash$ | 1     | $\vdash$ | 92       |          | -                                      | $\vdash$     | Н              | $\vdash$ | $\vdash$   |  | ┢                  | Н            | -   |
| ſ  | 1             | 43             |              | Г            | T   | T      |               |          | Γ        | T       | ₩   | ľ     | 7      | _  | Т        | 1     | $\vdash$ | 93       |          | $\vdash$                               | $\vdash$     | <del>-</del>   | Н        | t  | ┪  | $\vdash$           | H            | -   |
| Γ  |               | 44             |              |              | T   | T      | 1             |          | Γ        | †       |     | Γ     | 7      |    | Г        | 1     | $\vdash$ | 94       |          | _                                      |              |                | _        | Ι-   | H  |                    | H            | -   |
| Γ  | ╗             | 45             |              |              |   | 1      | 7             | _        | Γ        | +       | -   | 1     | 7      | _  | T        | 1     | _        | 95       |          | -                                      |              |                |          | -  | <del>                                     </del> | $\vdash$           | H            | -   |
| C  | _             | 46             |              |              | Ι   |        | Ţ             |          | Γ        | T       | _   | Γ     | 1      |    |          |       | Г        | 96       | П        | Т                                      | Г            |                | Т        |  |  | П                  | Н            | _   |
| [  |               | 47             |              | Γ            |   | T      | _†            |          |          | T       |     | Γ     | 7      |    | Г        |       | _        | 97       | _        |  |              |                | -        | ļ.   |  | $\Box$             | Н            | -   |
|    |               | 48             |              |              | Ι   |        |               |          | Γ        | Ť       |     | Γ     | 1      | _  |          | l     | _        | 98       |          |  | -            |                | Н        | <del>                                     </del> |  | П                  | Н            | -   |
|    |               | 49             |              |              | Ι   | I      | I             |          | Γ        | Ī       |     | Γ     | _      |    |          |       | Г        | 99       |          |  | Т            | _              |          | Т  |  | П                  | Н            | _   |
|    |               | 50             |              |              | Ι   | Ι      | $\perp$       |          |          | Ι       |     |       | 1      | _  |          |       |          | 100      |          |  |              | -              |          |  |  | $\vdash$           |              | _   |

|                | Appeal Objected |          |          |              |  |          |                         |          |                 |          |          |  |  |  |  |
|----------------|-----------------|----------|----------|--------------|--|----------|-------------------------|----------|-----------------|----------|----------|--|--|--|--|
| Cla            | im              | Ė        |          |              |  | D:       | ate                     |          | _               | _        |          |  |  |  |  |
| Final          | Original        |          |          |              |  |          |                         |          |                 | T        | T        |  |  |  |  |
| ۳              | 110             | H        | ╁        | ╁            | ╁  | ╁        | ╁                       | ╁        | ╁               | 十        | ╁        |  |  |  |  |
|                | 112             |          | 1        | T            | +  | Ť        | †-                      | 十        | T               | ╈        | Ť        |  |  |  |  |
|                | 113             |          |          | Τ            | Ι  | Τ        |                         | T        | T               | T        | T        |  |  |  |  |
|                | 114             |          | $\Box$   | I            | Ι  | Ι        | I                       | I        |                 | I        | I        |  |  |  |  |
| L              | 115             | L        | $\perp$  | ╄            | +  | ╀        | ╀                       | 1        | 1               | ╀        | ┸        |  |  |  |  |
|                | 116<br>117      | -        | ╄        | ╀            | ╀  | ╄        | ╀                       | ╄        | +               | ╄        | ╀-       |  |  |  |  |
| -              | 118             | ⊢        | ╁        | ╀            | +-   | ╀        | ╀╌                      | ╀        | ╁               | ╄        | ╀        |  |  |  |  |
| _              | 119             | -        | ╁╴       | t            | +-   | ╁        | ╁                       | ╁        | ╁               | ╁        | ╀        |  |  |  |  |
|                | 110             | Т        | $\vdash$ | $^{\dagger}$ | Ť  | t        | †-                      | ╁        | 1-              | 十        | +        |  |  |  |  |
|                | 111             |          |          | †            | Ť  | T        | 十                       | 1        | †               | T        | +        |  |  |  |  |
|                | 112             |          |          |              | I  | Γ        |                         | Γ        | I               | Ι        | T        |  |  |  |  |
|                | 113             |          | L        |              | L  |          | L                       |          | L               |          | $\prod$  |  |  |  |  |
| , 1            | اممه            | l        | ١.       | 1            | $\perp$  | ↓_       | $oldsymbol{\downarrow}$ | ļ.,      | L               | 1        | Ĺ        |  |  |  |  |
|                |                 |          |          | ⊢            | +  | ⊢        | +                       | ╀        | ╄               | ╀        | ╁-       |  |  |  |  |
|                | 11c<br>117      |          | +`       | ╁            | ╀╌   | ⊢        | ⊢                       | ╁        | ╄               | ╀        | ╀        |  |  |  |  |
|                | 118             |          | H        | -            | ╁  | ١.       | $\vdash$                | ╁        | <del> </del>    | ╁        | ╁╌       |  |  |  |  |
| $\overline{}$  | 119             |          | ┢        | 1            | t  | +-       | ╁                       | 1        | ╁               | +        | ╁╴       |  |  |  |  |
| _              | 120             |          | Ħ        | ✝            | 十  | T        | $\vdash$                | 1        | t               | †-       | ╆        |  |  |  |  |
| $\dashv$       | 121             |          | H        | H            | T  | -        | $\vdash$                | +        | $\vdash$        | t        | 十        |  |  |  |  |
|                | 122             |          |          |              |  | Г        | Т                       |          |                 | T        | $\top$   |  |  |  |  |
|                | 123             |          |          |              | $\Box$   |          |                         |          |                 |          |          |  |  |  |  |
| $\overline{}$  | 124             |          |          | L            | $oldsymbol{ol{ol{ol}}}}}}}}}}}}}}}}$ | L        | L                       | L        |                 | L        |          |  |  |  |  |
| _              | 125             |          |          | -            | 1_   | <u> </u> | ┡                       | <u> </u> | L               | Ľ        | ┡        |  |  |  |  |
| $\overline{}$  | 26              |          | ┡        | Ļ            | ╀  | ╀        | ┢                       | -        | -               | ┡        | ├        |  |  |  |  |
|                | 127<br>128      |          | -        | ┝            | ╀  | -        | ⊢                       | ├        | ├               | ┝-       | ⊢        |  |  |  |  |
|                | 29              |          | $\vdash$ | ┢            | ╁  | H        | ┢                       | -        | ┝               | ├        | ⊢        |  |  |  |  |
|                | 30              | •        | H        | -            | $\vdash$   | -        | ╁─                      |          | -               | H        | ╁┈       |  |  |  |  |
| _              | 31              | _        |          |              | T  | Г        | T                       |          |                 | $\vdash$ | Т        |  |  |  |  |
|                | 32              |          |          |              |  |          |                         |          |                 |          | Γ        |  |  |  |  |
|                | 33              |          | Ĺ        |              |  |          | Ĺ.                      |          | Ĺ               |          | 匚        |  |  |  |  |
|                | 134<br>135      |          | _        | $\vdash$     | ┞-   | <u> </u> | _                       | _        | L               | _        | L        |  |  |  |  |
|                | 36              | _        | _        | -            | ▙  | <u> </u> | -                       | L        | L               | <u> </u> | <u> </u> |  |  |  |  |
|                | 37              | -        |          | ┝            | ╁  | -        | ⊢                       | H        | -               | -        | L        |  |  |  |  |
| _              | 38              |          | -        | $\vdash$     | +-   | $\vdash$ | -                       | -        | -               | $\vdash$ | <u> </u> |  |  |  |  |
|                | 39              | _        |          | $\vdash$     |  | $\vdash$ | 1                       | $\vdash$ | -               | <u> </u> | H        |  |  |  |  |
| 1              | 40              | T        |          |              | Т  | Г        |                         | -        | Ι               | Г        |          |  |  |  |  |
|                | 41              | ٦        |          | Г            | Г  |          | Г                       |          |                 |          | П        |  |  |  |  |
| _h             | 42              |          |          |              |  |          |                         |          |                 | Г        | Н        |  |  |  |  |
| _              | 43              |          |          | Ŀ            |  |          |                         |          |                 |          |          |  |  |  |  |
|                | 44              |          |          |              |  |          |                         |          |                 |          |          |  |  |  |  |
| _              | 45              |          |          |              | $\vdash$   | <u> </u> | oxdapsilon              | L.,      | $oxed{\square}$ |          | Ц        |  |  |  |  |
|                | 46<br>47        | -        | -        |              | -  | -        | $\vdash$                | _        | <u> </u>        | $\vdash$ | H        |  |  |  |  |
|                | 48              | $\dashv$ | -        |              | $\vdash$   | $\vdash$ | $\vdash$                |          | <u> </u>        | $\vdash$ | Н        |  |  |  |  |
| <del>-  </del> | 49              | $\dashv$ | $\dashv$ | _            | $\vdash$   | Н        | -                       |          | Н               | Н        | H        |  |  |  |  |
|                | . •             |          |          | _            |  |          |                         |          |                 |          |          |  |  |  |  |

If more than 150 claims or 10 actions staple additional sheet here

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